

## WEST Search History

DATE: Sunday, June 27, 2004

**Hide?** **Set Name Query** **Hit Count***DB=PGPB,USPT; PLUR=YES; OP=ADJ*

|                          |     |                                 |        |
|--------------------------|-----|---------------------------------|--------|
| <input type="checkbox"/> | L21 | 119 and 111                     | 8      |
| <input type="checkbox"/> | L20 | 119 and 115                     | 3      |
| <input type="checkbox"/> | L19 | 117 and 118                     | 74     |
| <input type="checkbox"/> | L18 | \$butylacetophenone             | 243    |
| <input type="checkbox"/> | L17 | \$butylbenzene                  | 3509   |
| <input type="checkbox"/> | L16 | 113 and 115                     | 3      |
| <input type="checkbox"/> | L15 | zeolite Y or zeolite beta       | 5067   |
| <input type="checkbox"/> | L14 | 110 and 112                     | 7      |
| <input type="checkbox"/> | L13 | 110 and 111                     | 117    |
| <input type="checkbox"/> | L12 | alumino silicate                | 4782   |
| <input type="checkbox"/> | L11 | silica alumina                  | 35008  |
| <input type="checkbox"/> | L10 | 19 and acetic anhydride         | 6371   |
| <input type="checkbox"/> | L9  | 17 and 18                       | 14127  |
| <input type="checkbox"/> | L8  | \$chloride or \$anhydride       | 578626 |
| <input type="checkbox"/> | L7  | 15 and 16                       | 14158  |
| <input type="checkbox"/> | L6  | acid chloride or acid anhydride | 95533  |
| <input type="checkbox"/> | L5  | 13 and 14                       | 24789  |
| <input type="checkbox"/> | L4  | acylat\$ and agent              | 49250  |
| <input type="checkbox"/> | L3  | 11 and 12                       | 27474  |
| <input type="checkbox"/> | L2  | acylat\$ or carbonylat\$        | 56283  |
| <input type="checkbox"/> | L1  | benzene                         | 210091 |

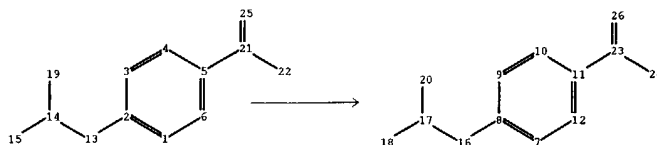
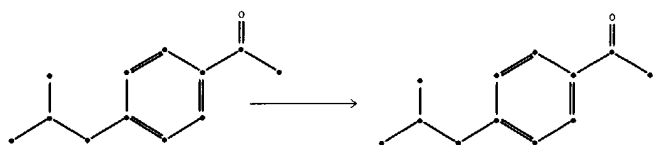
END OF SEARCH HISTORY

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(FILE 'HOME' ENTERED AT 15:20:23 ON 27 JUN 2004)

FILE 'CAPLUS' ENTERED AT 15:20:34 ON 27 JUN 2004

L1 456866 S ?BENZENE  
L2 6349 S L1 AND (ACYLAT? OR CARBONYLAT?)  
L3 5108 S ACYLAT? AND AGENT  
L4 502 S L2 AND L3  
L5 41643 S ACID CHLORIDE OR ACID ANHYDRIDE  
L6 52 S L4 AND L5  
L7 0 S L6 AND ACETIC ANHYRIDE  
L8 8 S L6 AND ACETIC ANHYDRIDE  
L9 2 S L8 AND SOLVENT  
L10 1 S L8 AND (NITROBENZENE OR DICHLOROBENZENE OR BENZONITRILE)  
L11 663 S ?ISOBUTYLBENZENE  
L12 22 S L11 AND ?ISOBUTYLACETOPHENONE  
L13 5 S L12 AND ZEOLITE?  
L14 2 S L12 AND SOLVENT  
L15 0 S L12 AND (BENZONITRILE OR NITROBENZENE OR DICHLOROBENZENE)



chain nodes :

13 14 15 16 17 18 19 20 21 22 23 24 25 26

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12

chain bonds :

2-13 5-21 8-16 11-23 13-14 14-15 14-19 16-17 17-18 17-20 21-22  
21-25 23-24 23-26

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12

exact/norm bonds :

21-25 23-26

exact bonds :

2-13 5-21 8-16 11-23 13-14 14-15 14-19 16-17 17-18 17-20 21-22  
23-24

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12

isolated ring systems :

containing 1 : 7 :

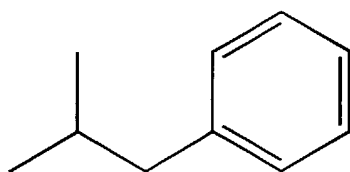
Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom  
10:Atom 11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS  
17:CLASS 18:CLASS 19:CLASS 20:CLASS 21:CLASS 22:CLASS 23:CLASS  
24:CLASS 25:CLASS 26:CLASS

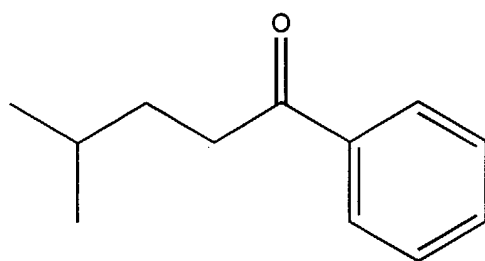
fragments assigned product role:

containing 7

fragments assigned reactant/reagent role:



isobutylbenzene



isobutylacetophenone

